TOSHIBA
Leading Innovation >>>Computer SystemsEMEA

## NOTEBOOK HOMEPAGE / QOSMIO / QOSMIO G50 SERIES / QOSMIO G50-12K

**Qosmio G50-12K**
**Part Number :** PQG55E-04701HG3
**Key Features**

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| **Technology** | type : Intel® Centrino® 2 Processor Technology featuring Intel® Core™2 Duo processor T9550, Intel® PM45 Express chipset and Intel® WiFi Link 5100<br>clock speed : 2.66 GHz<br>Front Side Bus : 1066 MHz<br>2nd level cache : 6 MB |
| **Operating system** | Genuine Windows Vista® Ultimate Edition (pre-installed, Toshiba-HDD recovery) |
| **System memory** | standard : 4,096 (2,048 + 2,048) MB<br>maximum expandability : 8,192 MB<br>technology : DDR2 RAM (800 MHz) |
| **Hard disk** | capacity : 720 (400 + 320) GB<br>certification : S.M.A.R.T. |
| **DVD Super Multi drive (Double Layer)** | compatibility : CD-ROM, CD-R, CD-RW, DVD-ROM, DVD-R, DVD-R(DL), DVD-RW, DVD+R, DVD+R(DL), DVD+RW, DVD-RAM<br>maximum speed : Read: 24x CD-ROM, 8x DVD-ROM/ Write: 24x CD-R, 4x CD-RW, 10x HS CD-RW, 24x US CD-RW, 8x DVD-R, 6x DVD-R (Double Layer), 6x DVD-RW, 8x DVD+R, 6x DVD+R (Double Layer), 8x DVD+RW, 5x DVD-RAM<br>type : DVD Super Multi (Double Layer) drive |
| **Display** | size : 18.4 "<br>type : Toshiba TruBrite® Full HD TFT High Brightness display<br>internal resolution : 1,920 x 1,080 |
| **Graphics adapter** | manufacturer : NVIDIA®<br>type : NVIDIA® GeForce® 9600M GT supporting TurboCache™ technology<br>memory amount : 512 MB dedicated VRAM (up to 1,791 MB total available graphics memory using TurboCache™ technology with 3 GB system memory)<br>memory type : GDDR2 (400 MHz) Video RAM (resp. Video RAM and system memory combined)<br>connected bus : 16x PCI Express |
| **Internal video modes** | |
| **Max. external video modes** | max. resolution : 2,048 x 1,536<br>max. refresh rate : 100 Hz<br>non-interlaced resolution with max. refresh rate : 1,920 x 1,200 |
| **TV tuner** | manufacturer : Toshiba<br>type : hybrid digital (DVB-T) and analog TV tuner |
| **Interfaces** | 1 x DC-in<br>1 x RJ-11<br>1 x RJ-45<br>1 x i.LINK® (IEEE 1394)<br>1 x external microphone<br>1 x external monitor<br>1 x headphone (stereo)<br>1 x TV-antenna<br>1 x line-in shared with microphone socket<br>1 x S/PDIF-out (optical) shared with headphone socket<br>1 x integrated 1.3 Megapixels Web Camera with built-in microphone<br>1 x HDMI-CEC (REGZA-Link) supporting 1080p signal format |

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| | 1 (shared with one USB port) x eSATA<br>1 x line-out shared with headphone socket<br>1 x 5-in-1 Bridge Media slot (supports SD™ Cards up to 16 GB, Memory Stick® up to 256 MB, Memory Stick Pro™ up to 4 GB, MultiMedia Card™ up to 2 GB and xD-Picture Card™ up to 2 GB)<br>2 x IR Blaster-out<br>4 (Left 1, Right 2, Rear 1) x USB 2.0 (supporting USB Sleep-and-Charge) |
| **Expansion** | 2 x memory slots<br>1 x Express Card™ slot |
| **Wireless communication** | Wireless Technology : Bluetooth®<br>Compliancy : Wi-Fi™<br>Network Support : 802.11a/g/Draft-N<br>Wireless Technology : Wireless LAN (802.11a/g/Draft-N) |
| **Media Processor** | processor type : Toshiba Quad Core HD Processor supporting four 128bit SIMD RISC processors (1.5 GHz each) integrating high-definition H.264 and MPEG2 encoders/decoders, and featuring Upconvert, Transcoding, Face Navigation and Gesture Control functionality |
| **Wired communication** | topology : international V.90 modem (V.92 ready)<br>speed : 56 Kbps data and 14.4 Kbps fax<br>topology : Gigabit Ethernet LAN<br>speed : 10BASE-T/100BASE-TX/1000BASE-T |
| **Sound system** | supported audio format : 24-bit stereo<br>speakers : built-in Harman Kardon® stereo speaker system with 2 x bass reflex speakers and 1 x subwoofer<br>manufacturer : Toshiba Bass Enhanced Sound System with Dolby® Sound Room™ |
| **Keyboard** | Keys : 105<br>Windows® keys : Yes<br>special features : Standard numeric keypad |
| **Pointing device** | type : Touch Pad |
| **Battery** | technology : lithium-ion<br>maximum life : up to 3h15min (Mobile Mark™ 2007) |
| **AC adapter** | input voltage : autosensing AC adapter (100/240 V) for worldwide usage |
| **Physical dimensions** | W x L x H : 452.3 x 311.0 x 38.2 (front) / 48.3 (rear) mm<br>weight : starting at 4.4 kg |
| **Warranty** | 1-year international warranty. Upgrade your standard warranty with Toshiba warranty extension and uplift packs. Contact your nearest Toshiba Authorised Reseller for details. |
| **Bundled hardware** | AC adapter<br>AC power cable<br>IR Transmitter cable<br>Remote Control for Windows Vista® |
| **Bundled software** | Dolby® Control Center<br>Toshiba Recovery Disc Creator<br>Toshiba utilities and drivers<br>Toshiba Face Recognition<br>Ulead® DVD MovieFactory® for TOSHIBA<br>Toshiba DVD Player<br>Toshiba Camera Assistant Software<br>Toshiba Assist<br>Toshiba Supervisor Password Utility<br>Toshiba User's Manual<br>Toshiba Disc Creator<br>Toshiba Bluetooth® Monitor<br>Toshiba Bluetooth® Stack<br>Connectivity Doctor<br>Toshiba ConfigFree™<br>HDMI Control Manager<br>Microsoft® Works, Microsoft® Office Home and Student 2007 (free 60-day trial)<br>Toshiba Value Added Package (Toshiba Power Saver, Toshiba Zooming Utility, Toshiba PC Diagnostic Tool, Toshiba Flash Cards, Toshiba Components Common Driver, Toshiba Accessibility, Toshiba Button Support)<br>Google Pack (Google Toolbar for Internet Explorer, Google Desktop, Picasa)<br>Toshiba Gesture Control<br>McAfee® Internet Security Suite - Toshiba Edition (includes free Internet updates for 30 |

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| | days) |
| **Toshiba EasyMedia** | Digital /anlog TV-Tuner<br>Toshiba Quad Core HD Processor featuring Upconvert, Transcoding, Face Navigation and Gesture Control functionality<br>Toshiba TEMPRO Performance Tuning Service<br>Google Pack (Google Toolbar for Internet Explorer, Google Desktop, Picasa)<br>USB & USB/eSATA Sleep-and-Charge<br>HDMI-CEC (REGZA-Link)<br>Bluetooth® 2.1 with EDR<br>McAfee® Internet Security Suite - Toshiba Edition<br>Toshiba Face Recognition<br>Smart Display Support<br>Toshiba Flash Cards<br>Easy Keys<br>Remote Control<br>Fingerprint Reader-Single Sign On<br>Wireless LAN (802.11a/b/g/ Draft-N)<br>Built-in Web Camera & microphone<br>Diversity Antenna<br>Integrated Bridge Media Adapter<br>Toshiba ConfigFree™<br>Dual HDD<br>Dolby® Sound Room™<br>Harman Kardon® Stereo Speakers<br>S/PDIF<br>'Full HD'-Screen (1080p) |
| **Security features** | main battery pack (by sliding latch)<br>system password security<br>main hard disk (by screw)<br>keyboard lock<br>main memory (by screw)<br>HDD password on request<br>supervisor password<br>user password<br>slot for Kensington Cable Lock |
| **Special features** | Enhanced Intel® SpeedStep® Technology<br>integrated 1.3 Megapixels Web Camera for Video over IP<br>Multimedia Bar with 9 feather-touch Easy Keys (CD/DVD launcher, Play/Pause, Stop, Rewind, Forward, Mute, on/off function of white LEDs, Camera, Dolby)<br>SM BIOS compliant<br>integrated microphone for Voice over IP |
| **Certification** | This product is in compliance with the requirements of the applicable European Directives for CE marking. |

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